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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,489	03/15/2001	Uk-Jin Kang	678-604(P9457)	5670

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DILWORTH & BARRESE, LLP  
333 EARLE OVINGTON BLVD.  
UNIONDALE, NY 11553

EXAMINER
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CHEN, ALAN S

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 08/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/809,489

Applicant(s)

KANG ET AL.

Examiner

Alan S. Chen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 6/13/2005 for RCE.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/13/2005 has been entered.

### ***Response to Arguments***

2. Applicant's arguments filed 06/13/2005 have been fully considered but they are not persuasive. Applicant argues Shiran does not disclose directly connecting a LAN connection board located on the PBX to the Internet.

Examiner does not agree with regard to the use of the word "directly". The only disclosure in the specification of connection to the Internet of the PBX is that there is "routing" between the LAN and Internet. Clearly routing can be construed to mean a plurality of intermediate switching means that ultimately route the PBX to the Internet. Direct connection to the Internet, in view of the specification therefore, can be construed to mean simply the requisite amount of connections required until the connection to the Internet is established. Shiran discloses connection to the Internet via routing (Fig. 1) and thus still anticipates this limitation.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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4. Claims 1-8 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In claims 1, 4 and 7, applicants claims essentially that the PBX is directly connected to the Internet further arguing in remarks received 4/14/2005 that this direct connection does not involve intermediary devices as in the reference to *Shiran et al. (Shiran)*. However, turning to the specification, pg. 4, lines 20-27 state "...PBX systems...connect to the LAN. The LAN is connected to the Internet 22 by routing". The specification is void of any description of what the "routing" of the LAN to the Internet entails. While Examiner acknowledges Fig. 2 of the submitted drawings shows a communication line between the internet and the PBX, this should not be construed to be a direct connection without support from the specification. Under the broadest reasonable interpretation of the claims in light of the specification, Examiner will assume this routing to be any routing means that enables connection of the PBX to the Internet.

Turning to the reference *Shiran*, Fig. 1 and 2 shows the connection of the PBX (element 12) to a LAN 74 which is routed to the Internet 28. Based on the broad definition of "direct" connection in the specification and claim language, *Shiran* still anticipates what is claimed, therefore the rejection is maintained and reiterated below.

#### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Shiran.

7. Per claim 1, note the PBX 12, its LAN connection board 74 (e.g., conventional LAN circuit provided by HICOM switches), a unique IP address (software drivers for 74 and provision of TCP/IP protocol, thereby providing a unique IP address) and a connection to the internet 28 via 14, 18 and 24 which, by definition, meet the broadly stated routing means as disclosed in the applicant specification. A web server is seen at communications server 14 as it has a built in proxy server 50 with HTTP server 52 that allows remote clients 22-26, 32 to manage a database in administrator 108 (column 7, lines 6-27 to include database configuration like authorized users, client names, passwords and the like), as managing is very broad to include things like accessing switch applications (column 2) or the ability to allow remote users to access the switch using a commercially available web browser, in order to manage connectivity between software applications residing on the telecom switch and network applications residing on the remote clients. The problems of the related art switch configuration are thus overcome (column 1, lines 22-42) by being able to have user-friendly interface to telecom switch software, such as configuration software and databases via remote and concurrent application sessions. The web server is connected to the PBX and Internet per Figs. 1 and 2.

8. Per claim 2, note the use of HTTP server 52 that can run JAVA servlets 63 to permit JAVA based web browsers on the remote computers 22, 26 to easily access switch applications and services in which JAVA applets can be transferred to the clients to allow remote users to enter data, and ultimately the export and input of database information (column 7, 108

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administrator component), thereby anticipating both the upload and download of database information via the remote accessing of administrator component 108 by a remote client. The predetermined authorization procedure is discussed in detail by, for example, the login routine 102.

9. Per claim 3, the IP of Point to Point is anticipated by the user of sockets, client server session control, modem connection 30 and single point entry.

10. Per claims 4-6, a PBX is a key phone system, and the above discussion shows a LAN connection board 74 connected to the Internet 28 via routing due to intermediate connection of server 14, intranet 18 and firewall 24. A remote client 26 is connected to the same Internet 28 with a predetermined authentication procedure, *supra*, so that the remote clients can update a database on 14 at 108 via the database import/export, which entails at least a request to upload/download database information to/from the destination sites at the server 14 and the clients 26. While PCMMC is not addressed verbatim, such is addressed as per applicants' definition of PCMMC to include storing data corresponding to a particular input function code, which is anticipated by database configuration of column 7.

11. Per claims 7 and 8 at least a message is sent to/from the PBX/WEB SERVER/CLIENTS by activating a web browser via HTTP server 52 on server 14 and the providing of a web page at proxy server 50 (column 3, lines 32-48), the requesting of access to the web server by a client per columns 3-4 by TCP/IP in order to perform a PCMMC, *supra*, authentication via 102, connecting a remote client 26 to the database in 108 per column 7, updating the database and storing such via the database import/export, and finally uploading any changes to the PBX 12 by the web

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server 14 via the LAN 16 to the ADP 70, which is a file server on switch 12 that provides file management services to include database management services for the local switch.

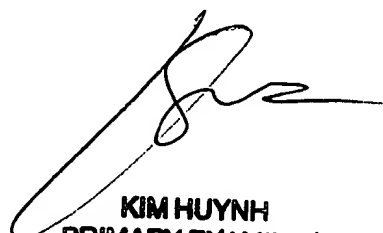
*Conclusion*

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alan S. Chen whose telephone number is 571-272-4143. The examiner can normally be reached on M-F 8:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ASC  
07/25/2005



**KIM HUYNH**  
**PRIMARY EXAMINER**  
8/2/05